

Standard Operating Procedures for Ship's Force Protocol

LG #9A

Replacement of Asbestos-Containing Gasket/Packing Material

- This SOP covers the repair and/or replacement of asbestos-containing gaskets or packing in pumps or valves and the replacement of asbestos-containing gaskets in pipes**

Stowage

- ▢ **Stow asbestos-containing materials (ACM) in sealed impermeable containers**
- ▢ **Ensure asbestos warning labels affixed to containers**
- ▢ **Ensure stowage areas for asbestos labeled accordingly**
- ▢ **Stow waste material for ashore offload**

Personal Protective Equipment (PPE)

- ▮ No asbestos-specific PPE is required for the replacement of gaskets or packing material**

Important Note

- ❑ **DO NOT consume food or beverages, chew gum or tobacco, smoke, or apply cosmetics during asbestos-containing gasket/packing maintenance operations!**

Procedures

- ▢ **Place an impermeable drop cloth below the work area**
 - 6-mil poly works well as a drop cloth
- ▢ **Thoroughly wet the gasket or packing material with water before removing**
 - For gaskets, wet after joint is loosened

Procedures (continued)

Remove material intact, if possible

- Avoid cutting, abrading, breaking material
- Intact removal keeps fibers from being released

Place wet material into disposal container

- Keep wet until transferred to closed receptacle
- A sealable, suitably sized plastic bag may be used for temporary stowage to appropriately labeled container

Procedures (continued)

- ▢ **Remove residues by scraping**
 - Continue to use wet methods
- ▢ **DO NOT use power tools to remove residues**
- ▢ **Dispose of material, residues and drop cloth as asbestos containing material (ACM)**

Procedures (continued)

- ▢ **Replace ACM with approved asbestos-free material, if available**
- ▢ **If replacement material contains asbestos:**
 - **Wet thoroughly prior to cutting**
 - **When gasket/packing in place, dispose of residual debris as ACM**
 - **Continue to use wet methods**
 - **Wipe up debris with damp rags**

Note: Wire-wound (flexitallic) gaskets with asbestos

need not be wetted prior to

Cleaning up

- ▣ Vacuum area with HEPA vacuum
- and/or--
- ▣ Wet wipe all surfaces
- ▣ Clean and decontaminate all tools with damp rags
 - Dispose of all rags as ACM

Cleaning up (continued)

- Personnel shall wash their hands upon completion of gasket/packing repair/replacement and before eating, drinking, chewing gum or tobacco, or applying cosmetics**

Offload

□ **Handle as ACM:**

- Replaced and scrap gasket/packing material
- Rags used for cleaning
- Drop cloths

Offload

- ▢ **Double-bag ACM in red, labeled asbestos bags**
 - Thoroughly wet all wastes
 - Use HEPA vacuum to draw out air prior to sealing
 - Seal both bags with “J” or gooseneck seal
- ▢ **Label waste bags per local requirements**

Medical Surveillance

- ❑ **No medical surveillance is required for gasket/packing material repair or replacement operations**

Training

- ▣ **All personnel performing ACM gasket/packing material operations:**
 - Shall be trained on this SOP
 - Accomplished according to Appendix B1-E of OPNAVINST 5100.19 (series)
 - Accomplished by safety officer, engineering officer, EART or IMA member
 - Accomplished as on-the-job training
 - Training documented in service record